

Title (en)

ADSORPTION VESSELS HAVING REDUCED VOID VOLUME AND UNIFORM FLOW DISTRIBUTION

Title (de)

ADSORPTIONSGEFÄSSE MIT REDUZIERTEM LEERVOLUMEN UND GLEICHFÖRMIGER STRÖMUNGSVERTEILUNG

Title (fr)

RÉCIPIENTS D'ADSORPTION AYANT UN VOLUME DE VIDE RÉDUIT ET UNE DISTRIBUTION D'ÉCOULEMENT UNIFORME

Publication

EP 2794064 A1 20141029 (EN)

Application

EP 12860977 A 20120911

Priority

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- US 2012054553 W 20120911

Abstract (en)

[origin: US2013152795A1] Adsorption vessels and systems utilizing adsorption vessels are provided herein. In one embodiment, an adsorption vessel for receiving a fluid mixture and for separating a component from therein includes a vessel wall extending from a bottom end to a top end and defining a vessel chamber. A bottom inlet is formed in the bottom end of the adsorption vessel for introducing the fluid mixture to the vessel chamber. Further, a support plate is positioned in the vessel chamber above the bottom end, and defines a bottom void volume between the support plate and the bottom end. A filler material having a total porosity of less than about 25% is positioned in the bottom void volume and defines a channel for flow of the fluid mixture from the bottom inlet to the support plate.

IPC 8 full level

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CPC (source: EP US)

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